

## Product datasheet for **TA503281**

### SIRT5 Mouse Monoclonal Antibody [Clone ID: OT11A6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OT11A6
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:500~2000, IF 1:50~100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SIRT5(NP_036373) produced in HEK293 cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1.1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33.7 kDa
Gene Name:	sirtuin 5
Database Link:	<a href="#">NP_036373</a> <a href="#">Entrez Gene 68346 Mouse</a> <a href="#">Entrez Gene 306840 Rat</a> <a href="#">Entrez Gene 23408 Human</a> <a href="#">Q9NXA8</a>



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**Background:**

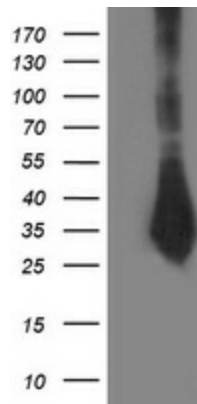
This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq]

**Synonyms:**

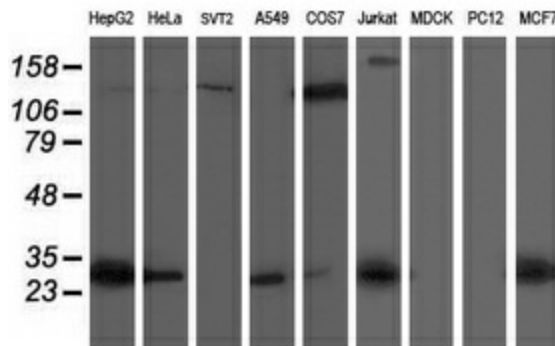
SIR2L5

**Protein Families:**

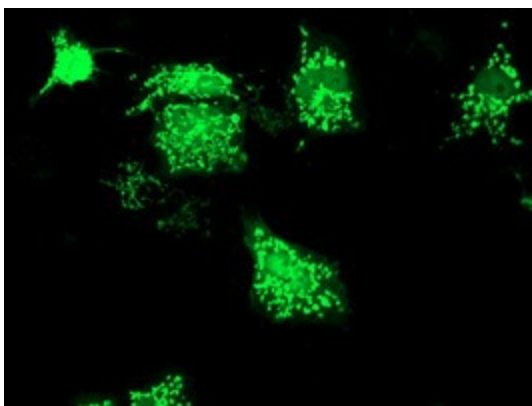
Druggable Genome, Transcription Factors

**Product images:**


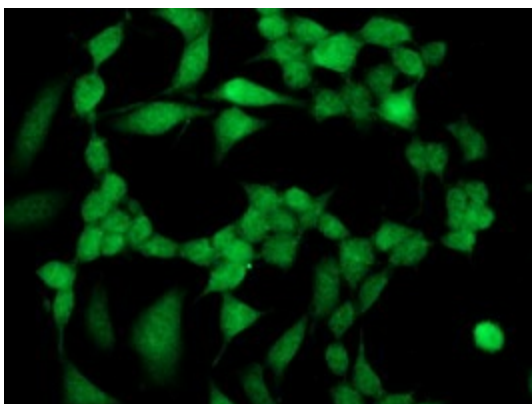
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SIRT5 ([RC200189], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SIRT5. Positive lysates [LY415885] (100ug) and [LC415885] (20ug) can be purchased separately from OriGene.



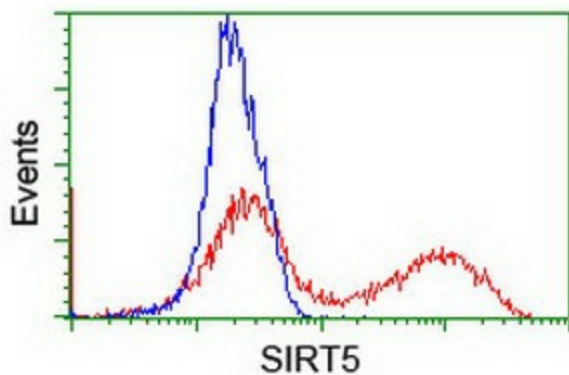
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SIRT5 monoclonal antibody.



Anti-SIRT5 mouse monoclonal antibody (TA503281) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SIRT5 ([RC200189]).



Immunofluorescent staining of HeLa cells using anti-SIRT5 mouse monoclonal antibody (TA503281).



HEK293T cells transfected with either [RC200189] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SIRT5 antibody (TA503281), and then analyzed by flow cytometry.